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IN THE CLAIMS:

- 1 1. (Withdrawn) An endocrine cell microdisk [comprising a discoid microporous encap-
2 sulated endocrine cell for transplantation into an animal body to correct a hormonal defi-
3 ciency] for transplantation into a human body to correct a hormonal deficiency, said disk
4 having a pair of opposing faces, at least one of which is formed to project concavely to-
5 ward the other.
- 1 2. (Withdrawn) An endocrine cell microdisk according to Claim 1 in which the endocrine
2 cell is an insulin producing cell.
- 1 3. (Withdrawn) An endocrine cell microdisk according to claim 1 in which said micro-
2 disk has a ratio of diameter to thickness of at least four.
- 1 4. (Withdrawn) An endocrine cell microdisk according to claims 1 in which said micro-
2 disk has a ratio of diameter to thickness of in the range of from six to twenty.
- 1 5. (Cancelled)
- 1 6. (Withdrawn) An endocrine cell microdisk according to claim 1 in which said micro-
2 disk has two opposed concave faces.

1 7. (Withdrawn) An endocrine cell microdisk according to claim 6 in which the concavi-
2 ties are maintained by internal joining structure.

1 8. (Withdrawn) An endocrine cell microdisk according to claim 7 in which said joining
2 structure extends between opposing faces of said microdisk.

1 9. (Previously Cancelled)

1 10. (Previously Cancelled)

1 11. (Currently Amended) An endocrine cell microdisk comprising a microporous mem-
2 brane having first and second opposed faces joined together at the periphery thereof and
3 forming an extended [flattened] structure of lateral extent substantially greater than the
4 maximum thickness between the surfaces and containing endocrine cellular material for
5 implantation as a unit into an animal body, at least one of said faces being formed to pro-
6 ject concavely toward the other.

1 12. (Original) An endocrine cell microdisk according to claim 11 in which said lateral
2 extent is at least four times said thickness.

1 ³~~13.~~ (Original) An endocrine cell microdisk according to claim ¹~~11~~ in which said micro-
2 disk is formed generally in the shape of an erythrocyte.

1 14. (Cancelled)

1 ⁴~~15.~~ (Previously Presented) An endocrine cell microdisk according to claim ¹~~11~~ which in-
2 cludes at least one internal joining structure extending between said opposed faces and
3 maintaining a concavity in at least one of said faces.

1 ⁵~~16.~~ (Previously Presented) An endocrine cell microdisk according to claim ⁴~~15~~ which in-
2 cludes a plurality of internal joining structures extending between said opposed faces and
3 maintaining a plurality of concavities in at least one of said faces.

1 ⁶~~17.~~ (Currently Amended) An endocrine cell microdisk according to either of claims ~~1~~
2 ~~or claim~~ ¹~~11~~ in which opposed faces of said disk are joined to each other at a plurality of
3 locations on said faces to thereby form a multiplicity of concavely-extending surface por-
4 tions.